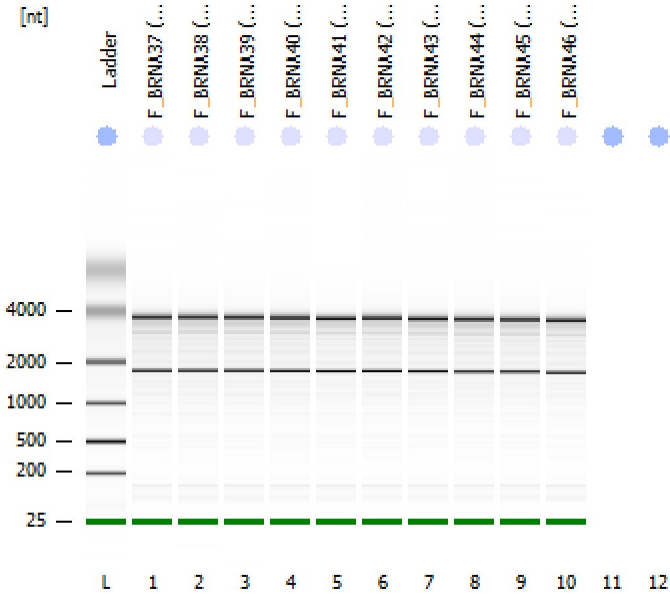


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
Modified: 9/22/2020 12:31:29 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

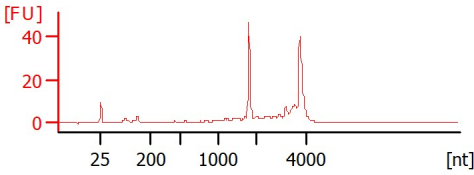
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

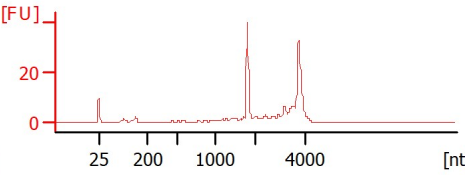
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

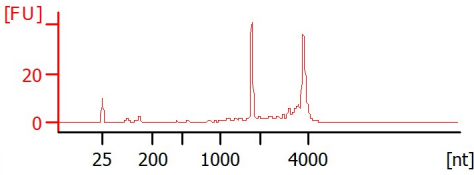
F_BRNA37 (1:2)
QC662
RIN: 8.40



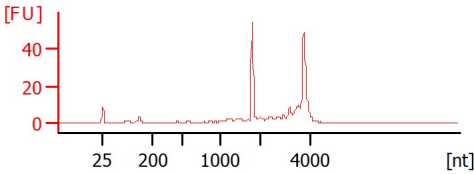
F_BRNA38 (1:2)
QC662
RIN: 8.50



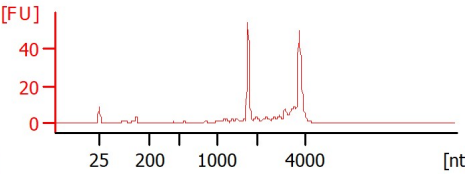
F_BRNA39 (1:2)
QC662
RIN: 8.40



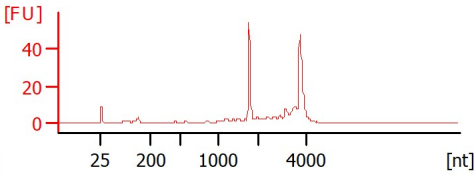
F_BRNA40 (1:2)
QC662
RIN: 8.30



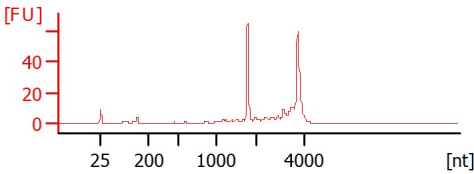
F_BRNA41 (1:2)
QC662
RIN: 8.60



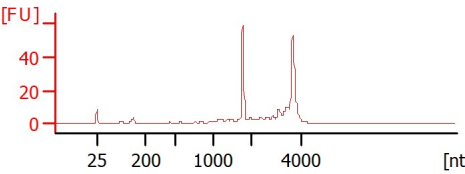
F_BRNA42 (1:2)
QC662
RIN: 8.50



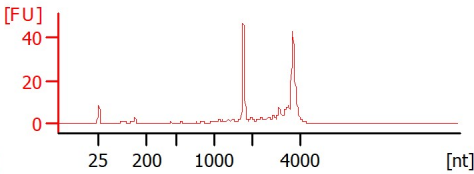
F_BRNA43 (1:2)
QC662
RIN: 8.50



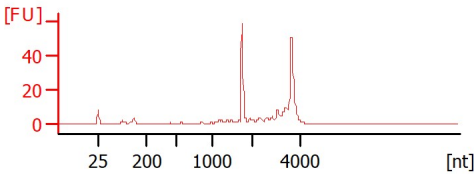
F_BRNA44 (1:2)
QC662
RIN: 8.40



F_BRNA45 (1:2)
QC662
RIN: 8.50



F_BRNA46 (1:2)
QC662
RIN: 8.40



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
 Modified: 9/22/2020 12:31:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
F_BRNA37 (1:2)	QC662	✓	RIN: 8.40	
F_BRNA38 (1:2)	QC662	✓	RIN: 8.50	
F_BRNA39 (1:2)	QC662	✓	RIN: 8.40	
F_BRNA40 (1:2)	QC662	✓	RIN: 8.30	
F_BRNA41 (1:2)	QC662	✓	RIN: 8.60	
F_BRNA42 (1:2)	QC662	✓	RIN: 8.50	
F_BRNA43 (1:2)	QC662	✓	RIN: 8.50	
F_BRNA44 (1:2)	QC662	✓	RIN: 8.40	
F_BRNA45 (1:2)	QC662	✓	RIN: 8.50	
F_BRNA46 (1:2)	QC662	✓	RIN: 8.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
 Modified: 9/22/2020 12:31:29 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
 Minimum Visible Range [s] : 17
 Maximum Visible Range [s] : 70
 Start Analysis Time Range [s] : 19
 End Analysis Time Range [s] : 69
 Ladder Concentration [ng/μl] : 150
 Lower Marker Concentration [ng/μl] : 0
 Upper Marker Concentration [ng/μl] : 0
 Used Lower Marker for Quantitation
 Standard Curve Fit is Logarithmic
 Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
 Integration End Time [s] : 69
 Slope Threshold : 0.6
 Height Threshold [FU] : 0.5
 Area Threshold : 0.2
 Width Threshold [s] : 0.5
 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

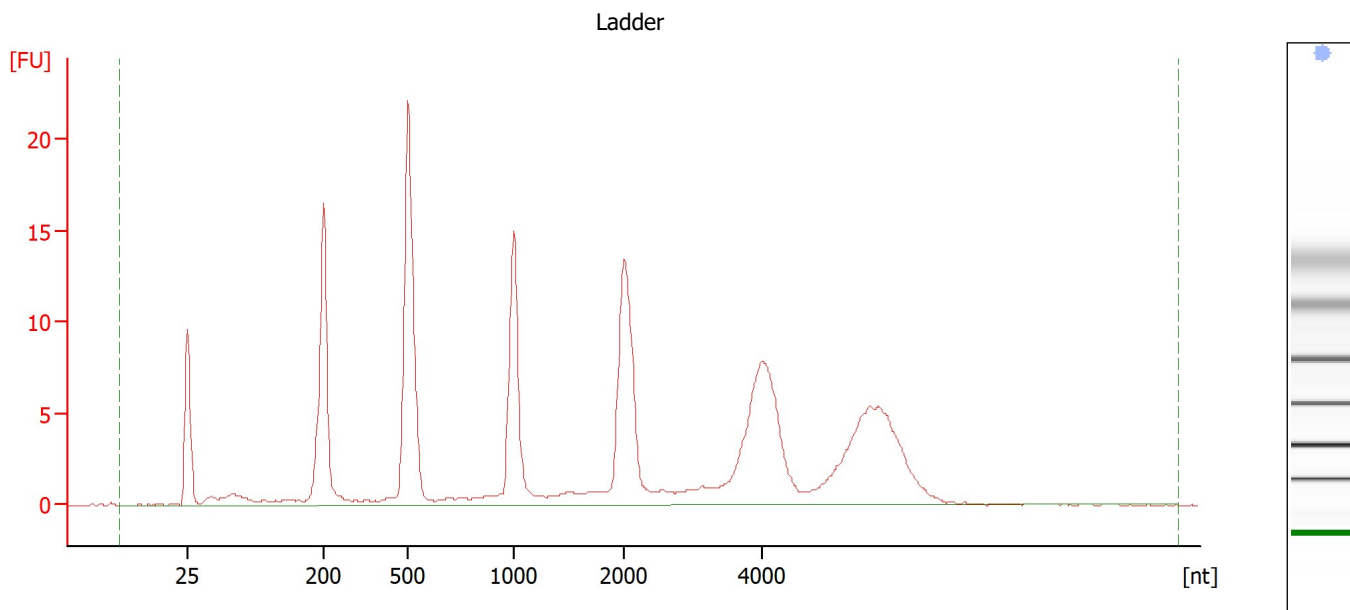
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
Modified: 9/22/2020 12:31:29 PM

Electropherogram Summary



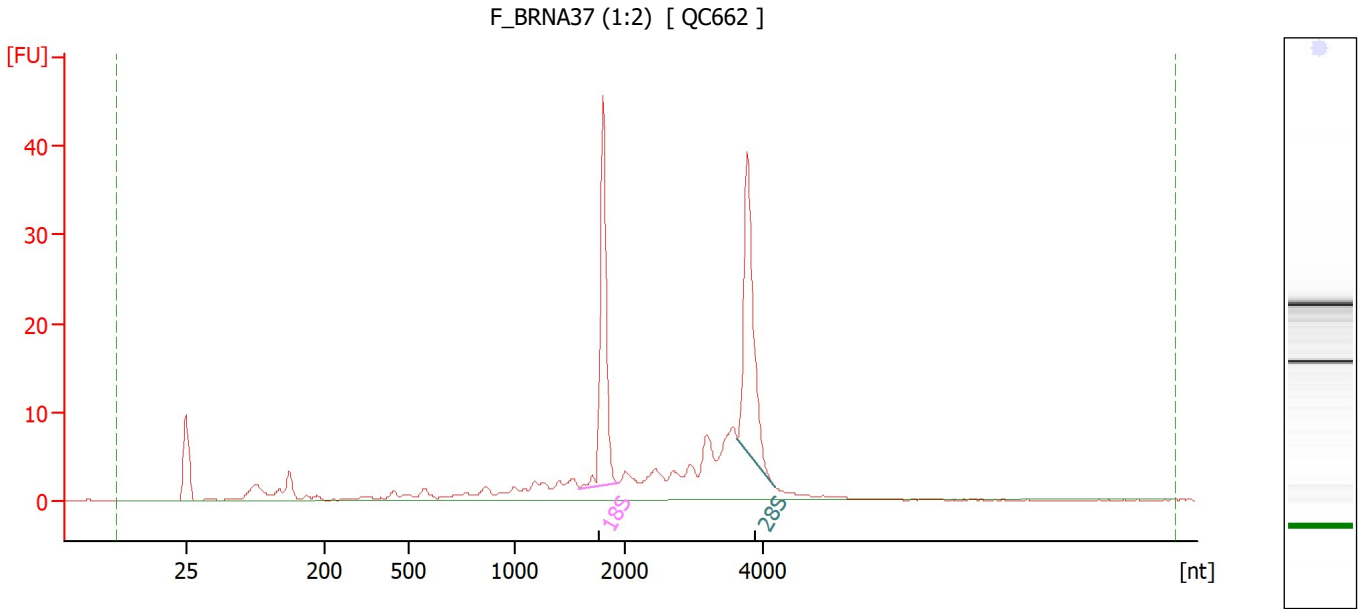
Overall Results for Ladder

RNA Area:	184.6	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
 Modified: 9/22/2020 12:31:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : F_BRNA37 (1:2)

RNA Area:	183.1	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	149 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.40

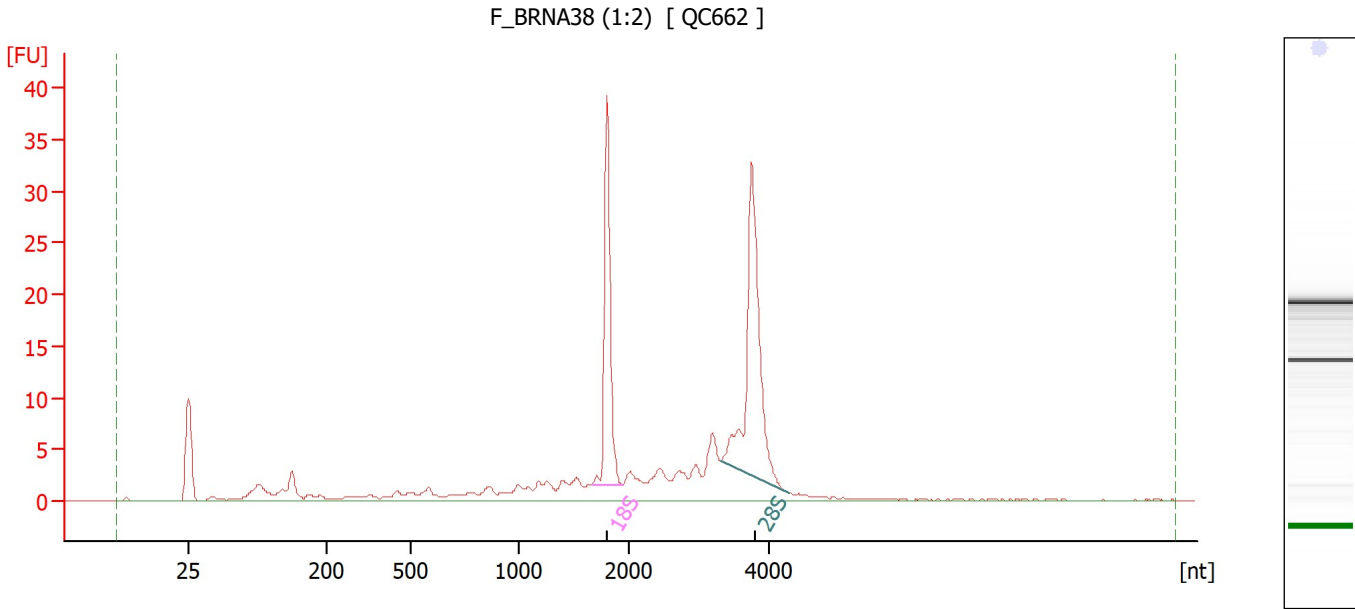
Fragment table for sample 1 : F_BRNA37 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,586	1,934	34.4	18.8
28S	3,623	4,164	35.7	19.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
 Modified: 9/22/2020 12:31:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : F_BRNA38 (1:2)

RNA Area:	166.4	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	135 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.50

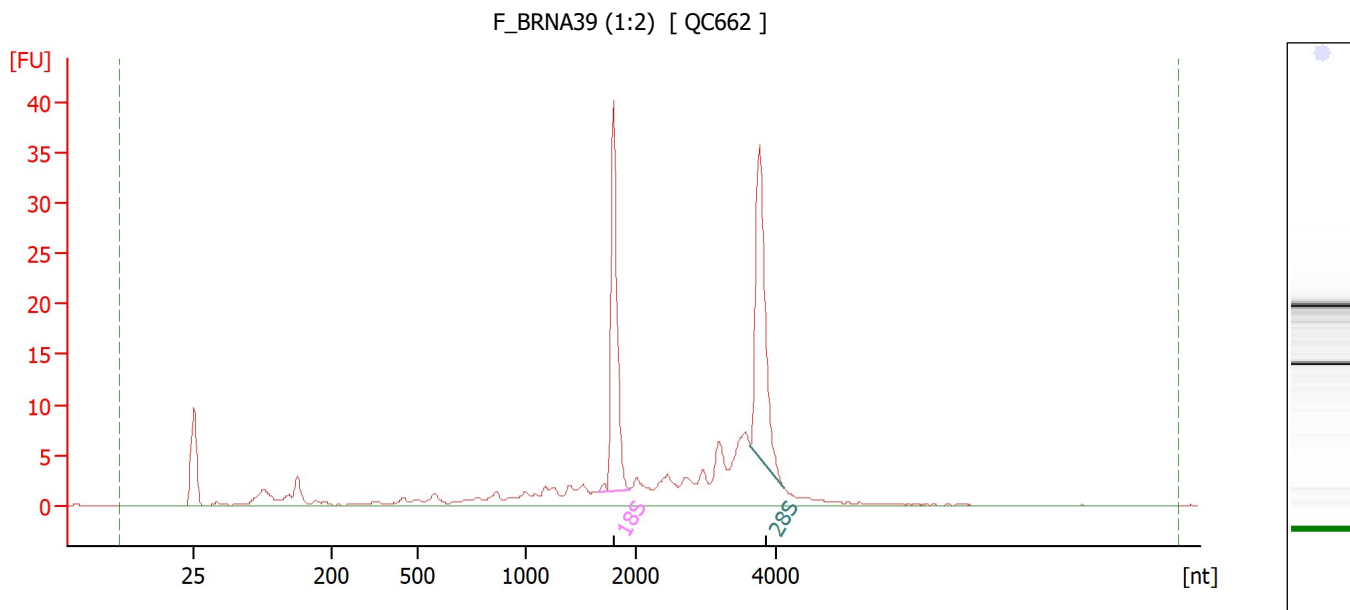
Fragment table for sample 2 : F_BRNA38 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,666	1,936	29.4	17.7
28S	3,312	4,295	41.8	25.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
 Modified: 9/22/2020 12:31:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : F_BRNA39 (1:2)

RNA Area:	157.7	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	128 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.40

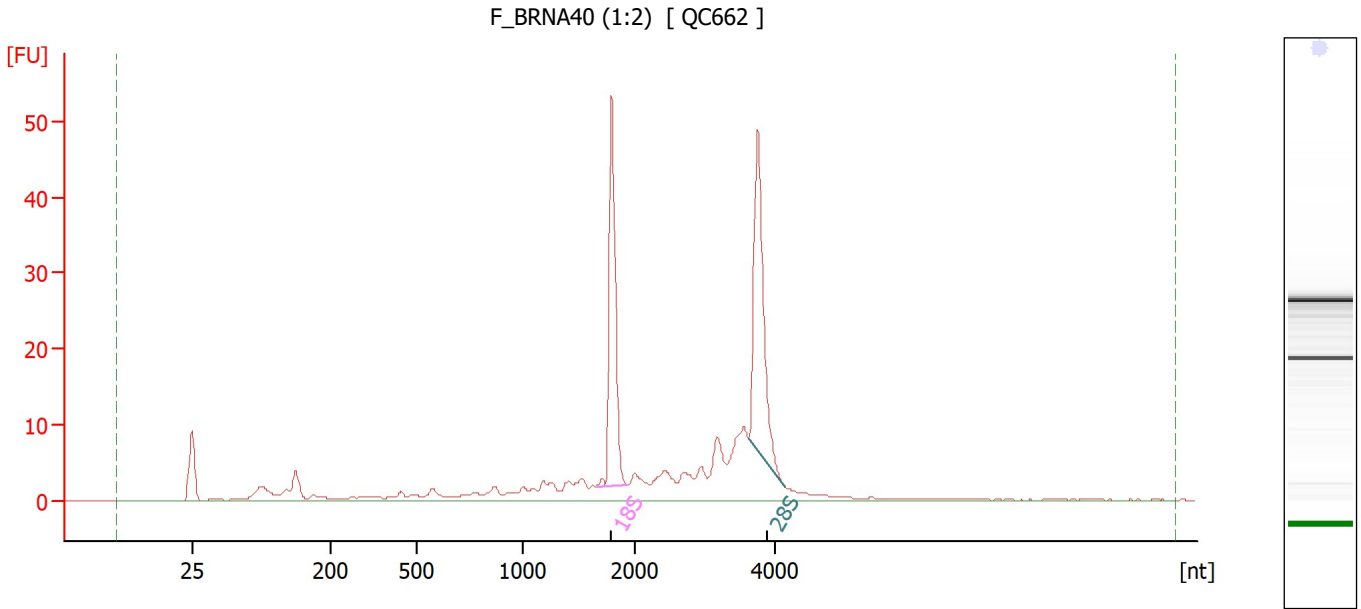
Fragment table for sample 3 : F_BRNA39 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,660	1,938	29.9	19.0
28S	3,630	4,120	31.6	20.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
 Modified: 9/22/2020 12:31:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : F_BRNA40 (1:2)

RNA Area:	223.2	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	181 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.30

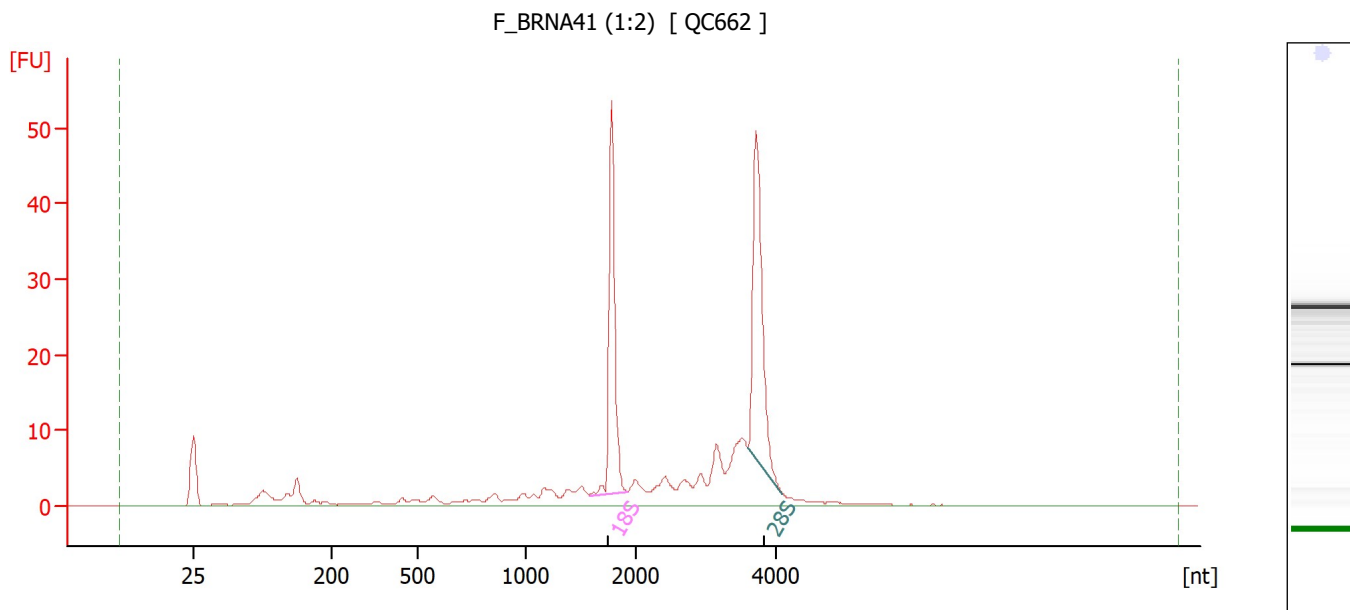
Fragment table for sample 4 : F_BRNA40 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,652	1,930	39.6	17.7
28S	3,613	4,147	43.0	19.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
 Modified: 9/22/2020 12:31:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : F_BRNA41 (1:2)

RNA Area:	201.4	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	164 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.60

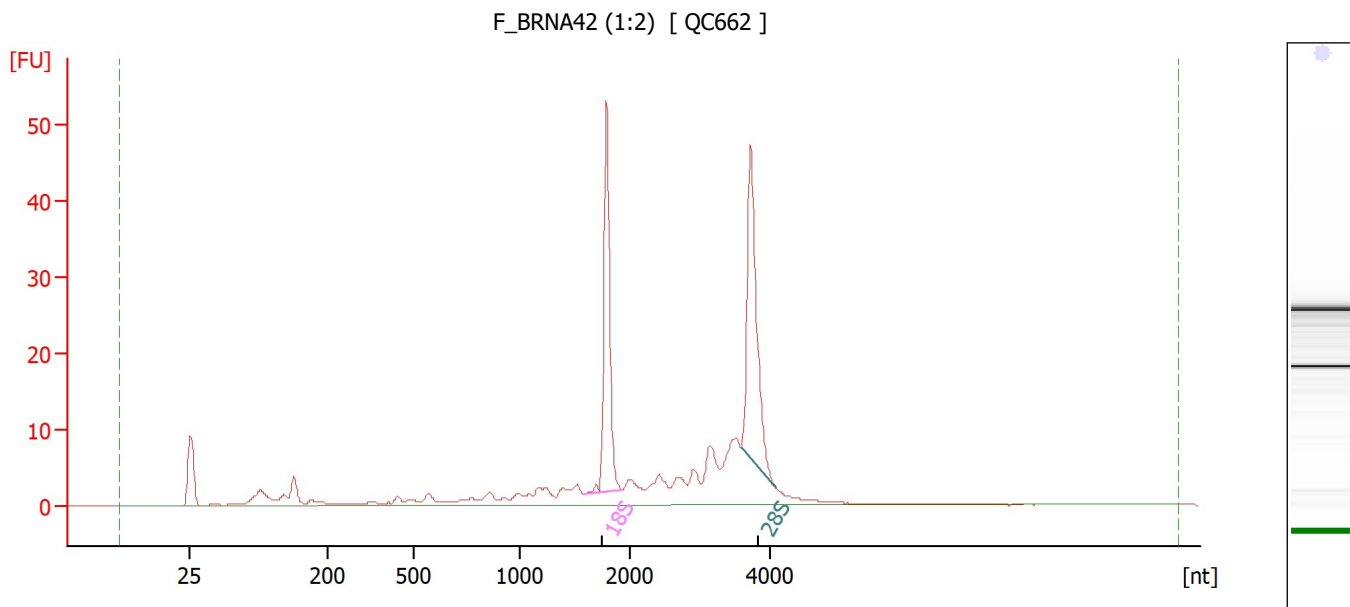
Fragment table for sample 5 : F_BRNA41 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,574	1,919	39.1	19.4
28S	3,584	4,089	42.8	21.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
 Modified: 9/22/2020 12:31:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : F_BRNA42 (1:2)

RNA Area:	205.7	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	167 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.50

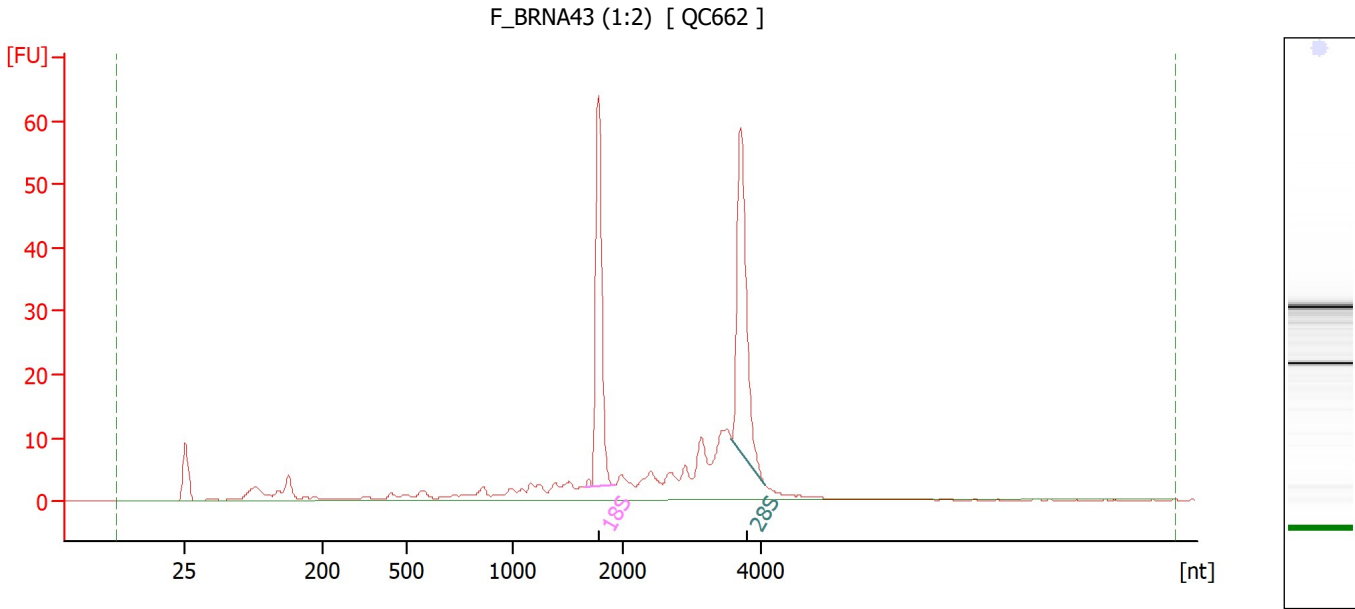
Fragment table for sample 6 : F_BRNA42 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,578	1,925	39.3	19.1
28S	3,606	4,099	43.0	20.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
 Modified: 9/22/2020 12:31:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : F_BRNA43 (1:2)

RNA Area:	248.3	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	202 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.50

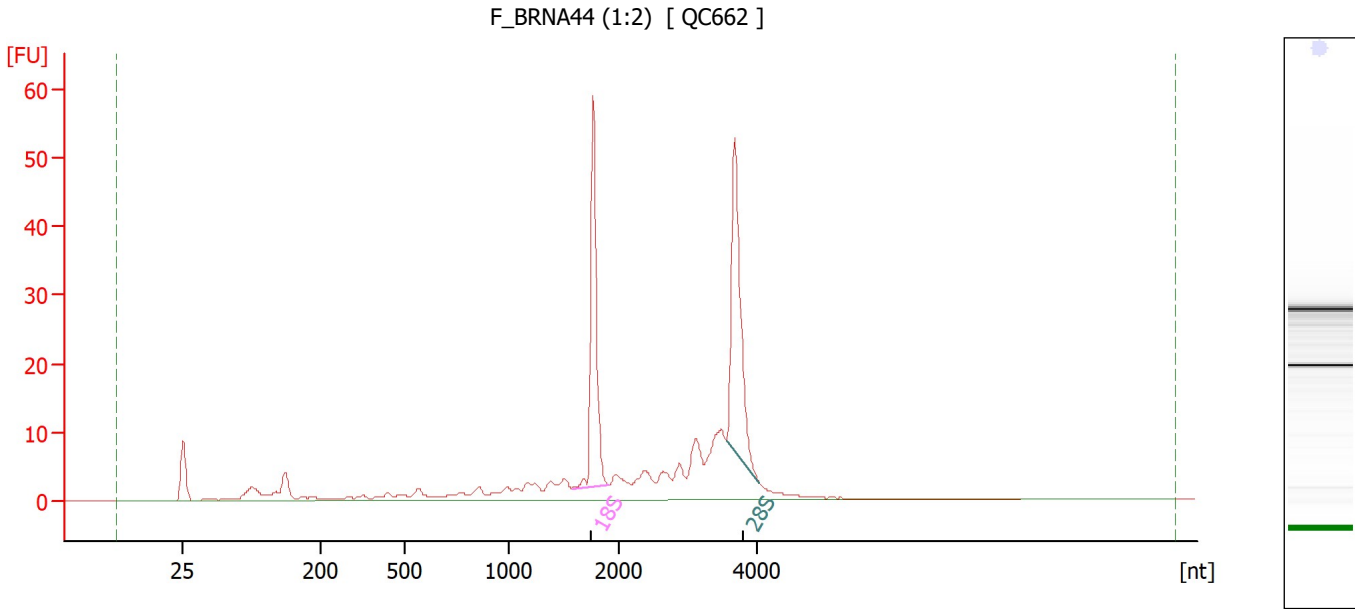
Fragment table for sample 7 : F_BRNA43 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,642	1,923	46.6	18.8
28S	3,563	4,043	51.6	20.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
 Modified: 9/22/2020 12:31:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : F_BRNA44 (1:2)

RNA Area:	231.1	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	188 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.40

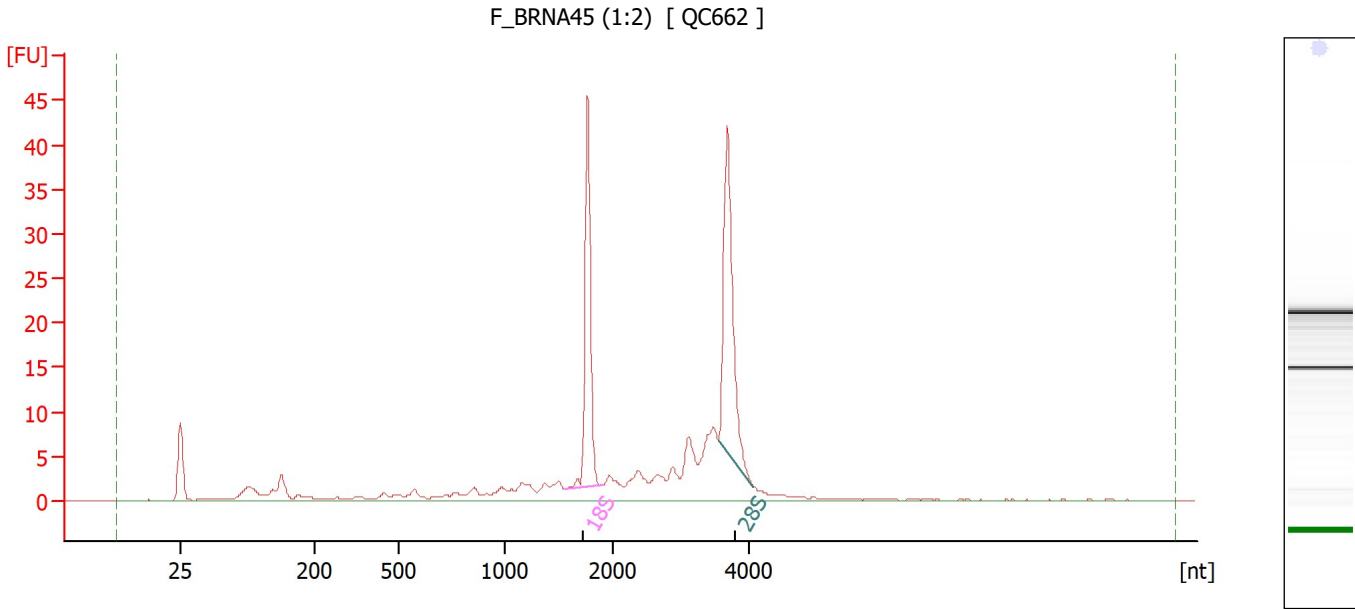
Fragment table for sample 8 : F_BRNA44 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,570	1,911	42.9	18.6
28S	3,552	4,033	46.8	20.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
 Modified: 9/22/2020 12:31:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : F_BRNA45 (1:2)

RNA Area:	184.2	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	150 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.50

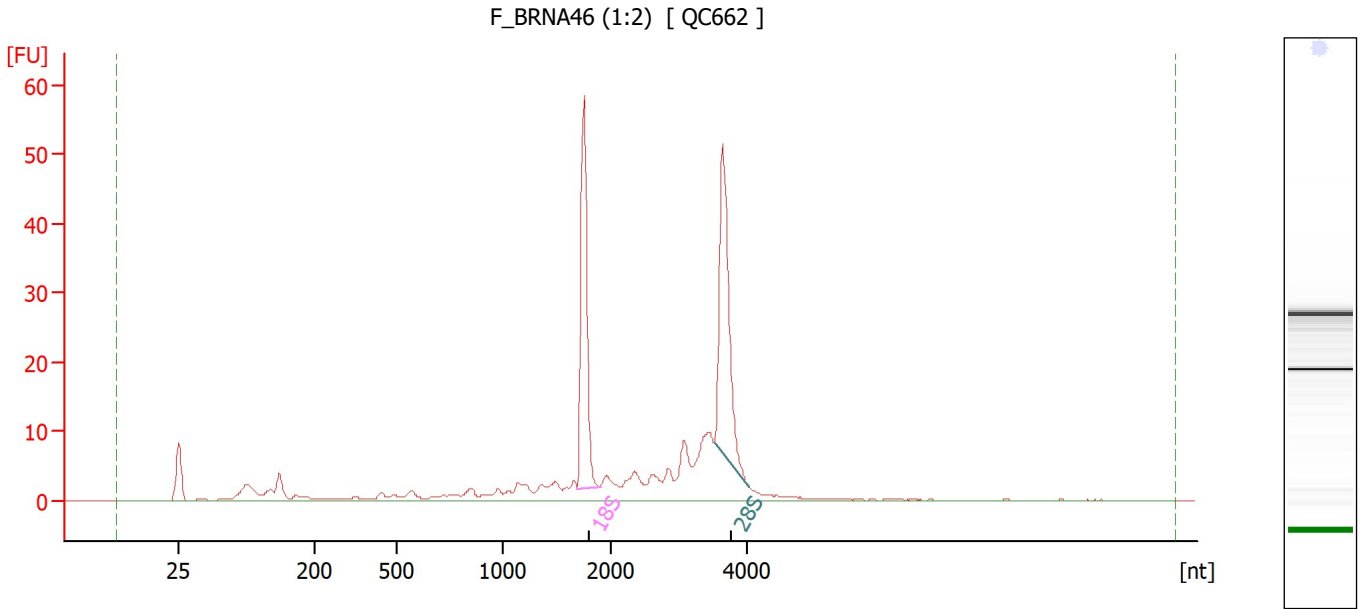
Fragment table for sample 9 : F_BRNA45 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,555	1,898	33.1	18.0
28S	3,542	4,058	36.1	19.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
 Modified: 9/22/2020 12:31:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : F_BRNA46 (1:2)

RNA Area:	219.6	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	178 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.40

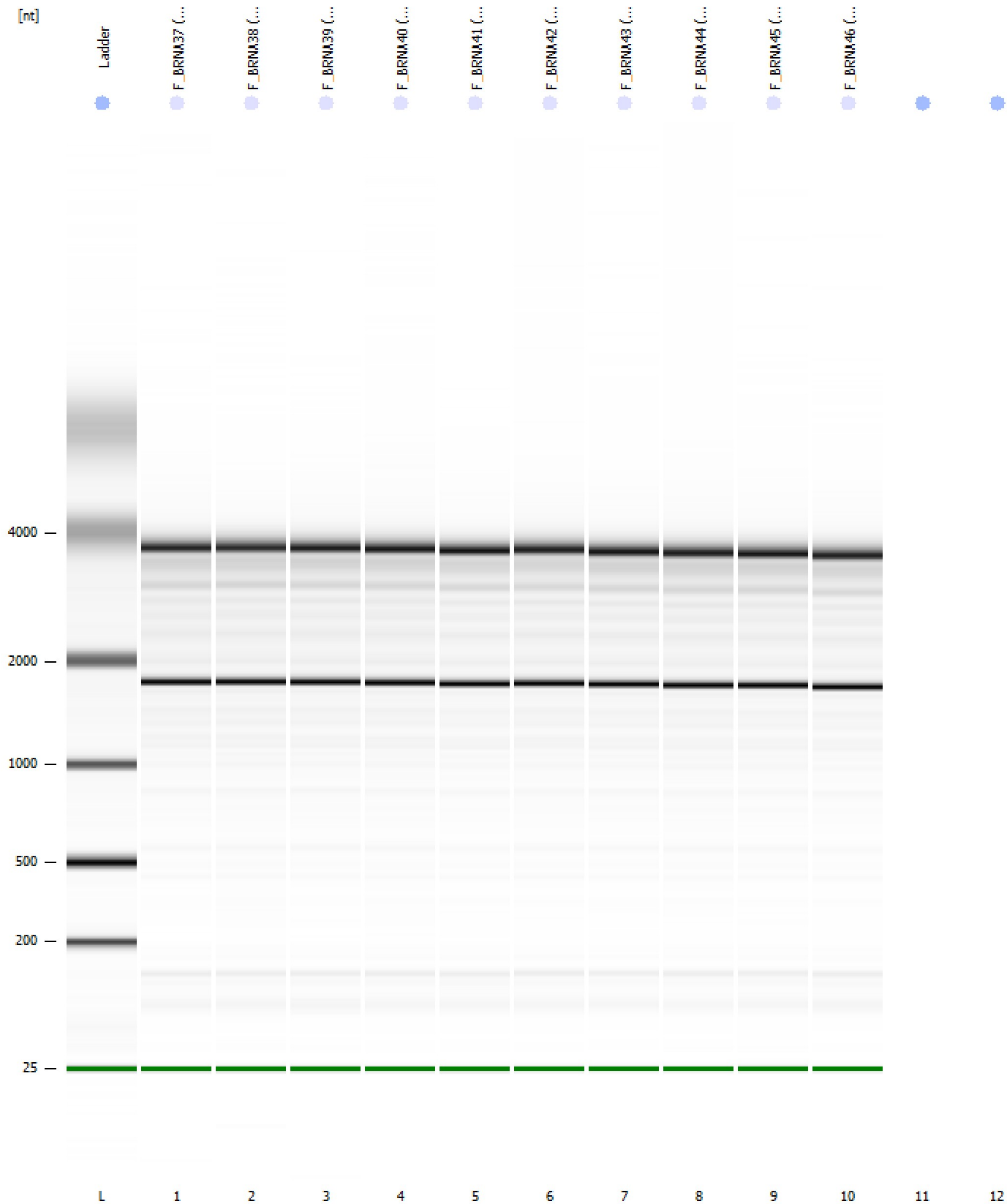
Fragment table for sample 10 : F_BRNA46 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,690	1,897	41.8	19.0
28S	3,513	4,030	46.5	21.2

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
Modified: 9/22/2020 12:31:29 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad

Created: 9/22/2020 12:10:23 PM
Modified: 9/22/2020 12:31:29 PM

Invalid Samples

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.

Assay Class: Eukaryote Total RNA Nano Created: 9/22/2020 12:10:23 PM
 Data Path: Z:\...22\Bioanalyzer1_Eukaryote Total RNA Nano_2020-09-22_001.xad Modified: 9/22/2020 12:31:29 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		9/22/2020 12:31:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-09-22\Bioanalyze r1_Eukaryote Total RNA Nano_2020-09-22_001.xad)		Instrument	Run		9/22/2020 12:10:28 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/22/2020 12:10:28 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/22/2020 12:10:28 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/22/2020 12:10:28 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/22/2020 12:10:28 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/22/2020 12:10:28 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/22/2020 12:10:28 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB